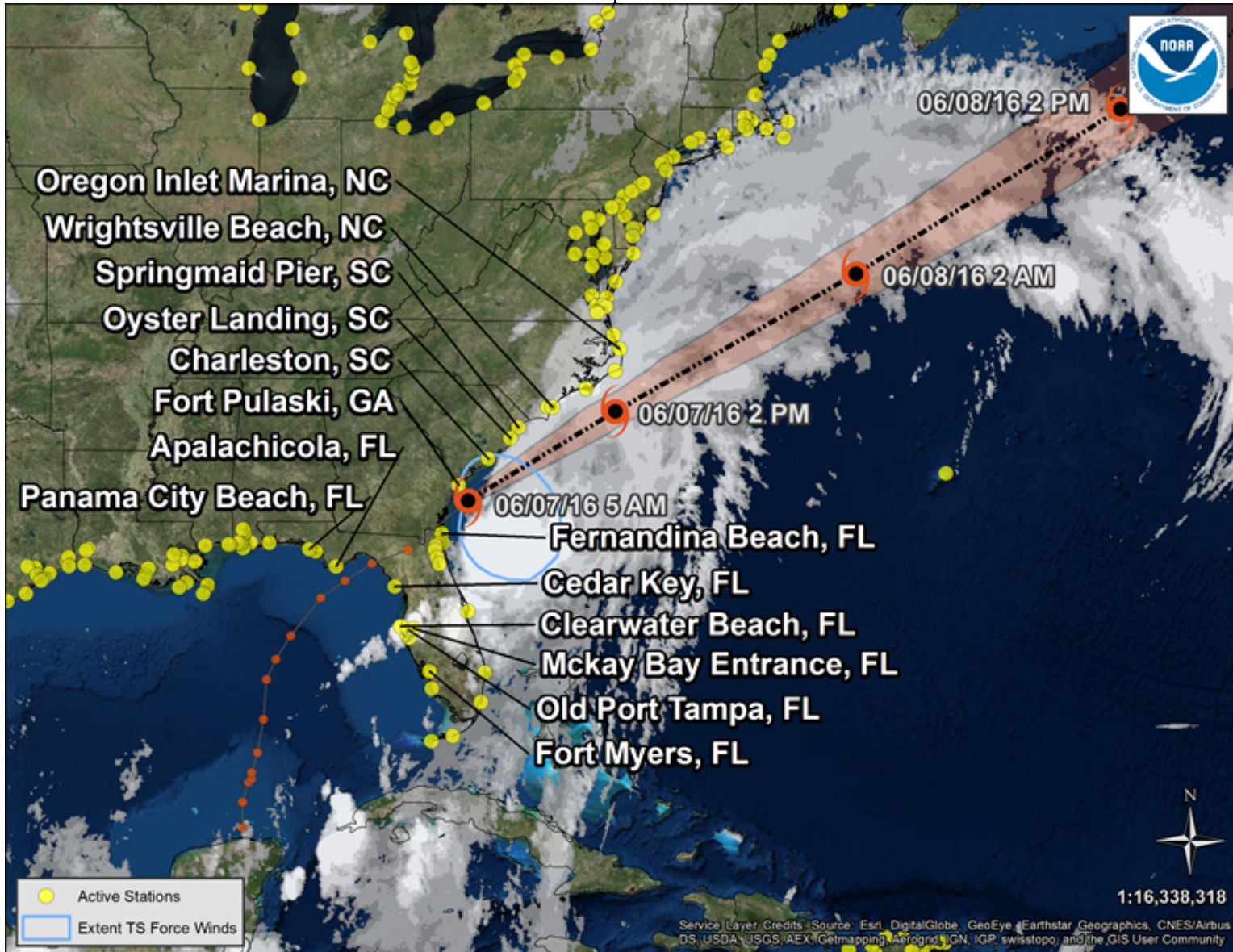




Tropical Storm COLIN QuickLook Posted: 06:00 EDT 06/07/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/07/2016 06:00 EDT, water levels along the Gulf Coast of Florida continue to run 1.6 to as high as 3.2 feet above tidal predictions. Wind speeds along the west coast of Florida from Cedar Key southward range from 15 to 30 knots with gusts between 30 and 40 knots. Barometric pressure has leveled off across the region.

Water levels along the southeast U.S. coast are running 0.6 to 1.5 feet above tide predictions. Winds are 5 to 10 knots

across Georgia and South Carolina. Barometric pressure continues to decrease as Colin approaches that region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: ADM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN
TROPICAL STORM COLIN ADVISORY NUMBER 8
NWS NATIONAL HURRICANE CENTER MIAMI FL
500 AM EDT TUE JUN 07 2016

...CENTER OF COLIN MOVING INTO THE ATLANTIC EAST OF THE GEORGIA COAST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning is discontinued along the Atlantic coast south of Altamaha Sound, Georgia, and along the Gulf coast of Florida.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...
* Altamaha Sound Georgia to Oregon Inlet North Carolina

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 500 AM EDT, the center of Tropical Storm Colin was located ABOUT 110 MI NE OF JACKSONVILLE FLORIDA and ABOUT 90 MI SSW OF CHARLESTON SOUTH CAROLINA. Colin is moving toward the northeast near 31 mph and this motion is expected to continue with an increase in forward speed today and tonight. On the forecast track, the center of Colin should move near and parallel to the coast of the southeastern United States today. However, it's important to note that the strongest winds and heaviest rains are well removed from the center.

Reports from an Air Force Reserve Hurricane Hunter aircraft and ship data indicate that maximum sustained winds are near 50 mph with higher gusts. Some increase in strength is expected during the next 24 hours. However, Colin

is also expected to lose its tropical cyclone characteristics by tonight.

Tropical-storm-force winds extend outward up to 230 miles mainly to the southeast of the center.

The estimated minimum central pressure is 1002 mb.

NOAA buoy 41008 recently reported a pressure of 1002.0 mb.

HAZARDS AFFECTING LAND

RAINFALL: Colin is expected to produce additional rainfall amounts of 1 to 3 inches across eastern North Carolina and central Florida through today. Rainfall is expected to diminish across northern Florida, coastal Georgia, and eastern South Carolina this morning.

STORM SURGE: The combination of a storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters. The water could reach the following heights above ground if the peak surge occurs at the time of high tide...

Indian Pass to Tampa Bay...1 to 3 ft with slightly higher amounts possible in a few locations.
Tampa Bay south to Florida Bay...1 to 2 ft.

Localized coastal flooding and dangerous surf are possible along the Atlantic coast from Florida to North Carolina within the tropical storm warning area. The surge along the Florida Gulf coast should diminish today.

The deepest water will occur along the immediate coast. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

WIND: Tropical storm conditions could occur over portions of the warning area today.

TORNADOES: A tornado or two will remain possible across parts of the coastal Carolinas today.

NEXT ADVISORY

Next intermediate advisory at 800 AM EDT.

Next complete advisory at 1100 AM EDT.

\$\$

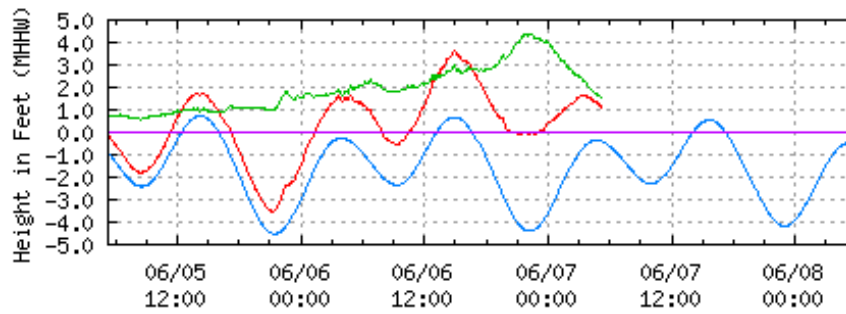
Forecaster Beven

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [Mckay Bay Entrance - Water Level](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Old Port Tampa - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Apalachicola - Barometric](#), [Panama City Beach - Water Level](#), [Panama City Beach - Winds](#), [Panama City Beach - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier](#)

- Water Level, Springmaid Pier - Winds, Springmaid Pier - Barometric, Wrightsville Beach - Water Level, Wrightsville Beach - Winds, Wrightsville Beach - Barometric, Oregon Inlet Marina - Water Level, Oregon Inlet Marina - Winds, Oregon Inlet Marina - Barometric

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

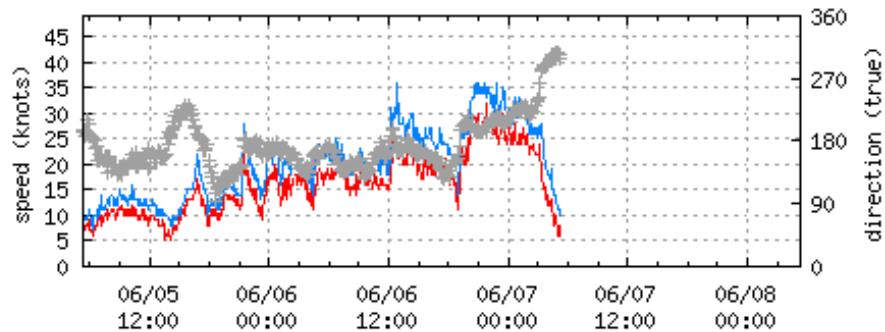
Observed: 1.11 ft. Predicted: -0.41 ft. Residual: 1.52 ft.

Historical Maximum Water Level: Oct 7 1996, 5.15 ft.

Next High Tide: 06/07/2016 15:40 (EDT), 0.54 ft.

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

Wind Speed / Gusts / Direction

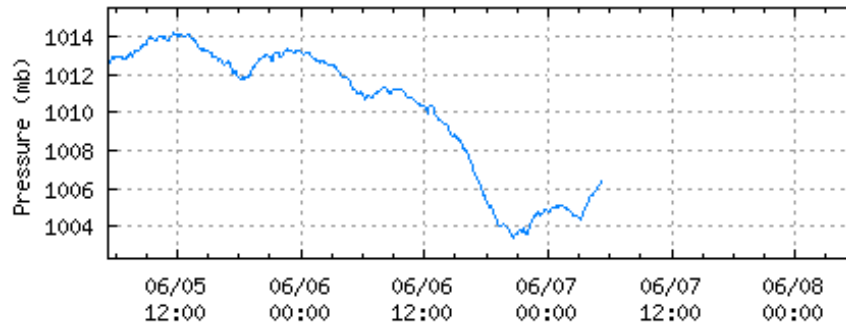


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

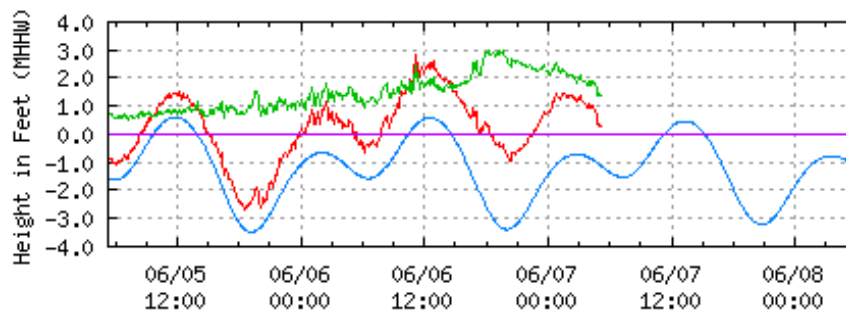
Wind Speed: 6 knots Gusts: 11 knots Direction: 303° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 06/07/2016 05:12 (EDT)
Barometric Pressure: 1006.4 mb

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

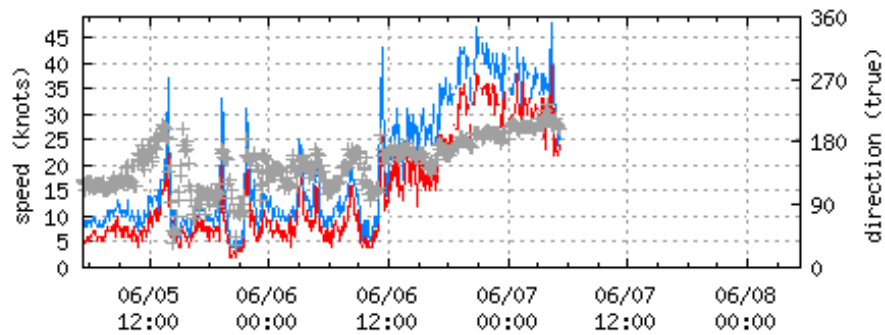
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: 0.11 ft. Predicted: -1.14 ft. Residual: 1.25 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 06/07/2016 13:14 (EDT), 0.47 ft.

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL
Wind Speed / Gusts / Direction

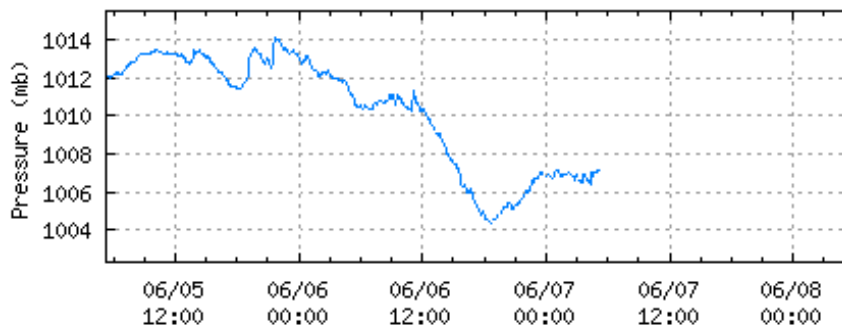


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

Wind Speed: 21 knots Gusts: 26 knots Direction: 203° T

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL
Barometric Pressure

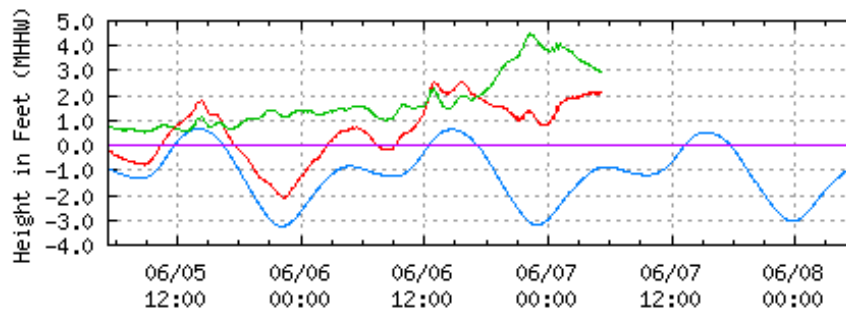


barometric pressure —

Last Observed Sample: 06/07/2016 05:12 (EDT)

Barometric Pressure: 1007.1 mb

NOAA/NOS/CO-OPS 8726667 Mckay Bay Entrance, FL
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

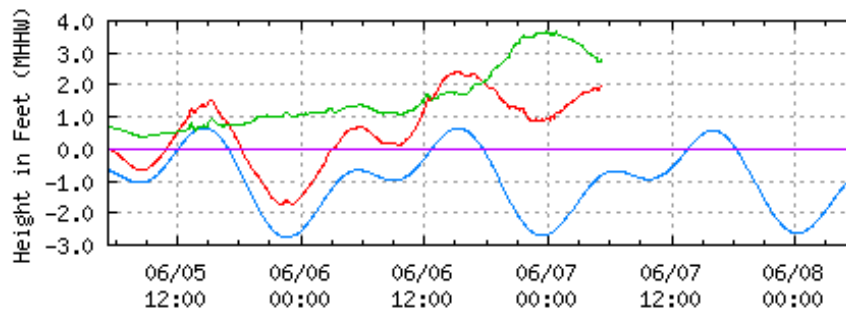
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: 2.12 ft. Predicted: -0.87 ft. Residual: 2.99 ft.

Historical Maximum Water Level: Oct 8 1996, 4.32 ft.

Next High Tide: 06/07/2016 05:41 (EDT), -0.85 ft.

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

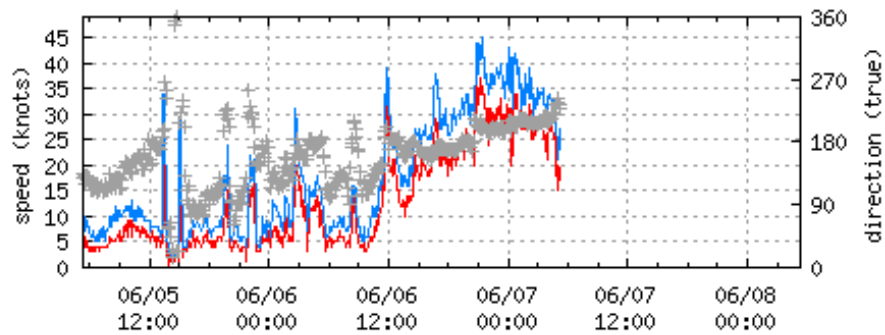
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: 1.93 ft. Predicted: -0.82 ft. Residual: 2.75 ft.

Historical Maximum Water Level: Oct 8 1996, 3.60 ft.

Next High Tide: 06/07/2016 06:30 (EDT), -0.68 ft.

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL
Wind Speed / Gusts / Direction

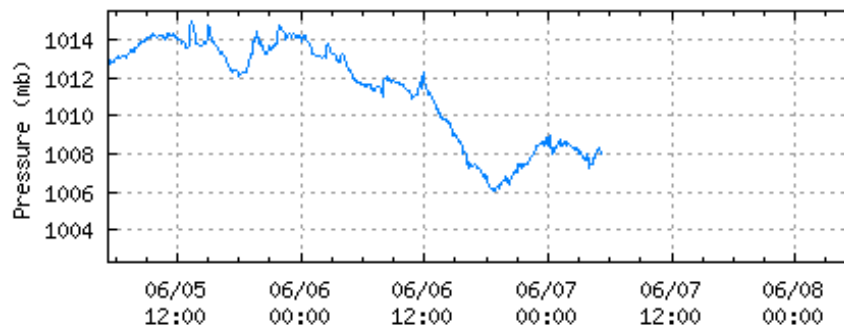


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

Wind Speed: 17 knots Gusts: 23 knots Direction: 229° T

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL
Barometric Pressure

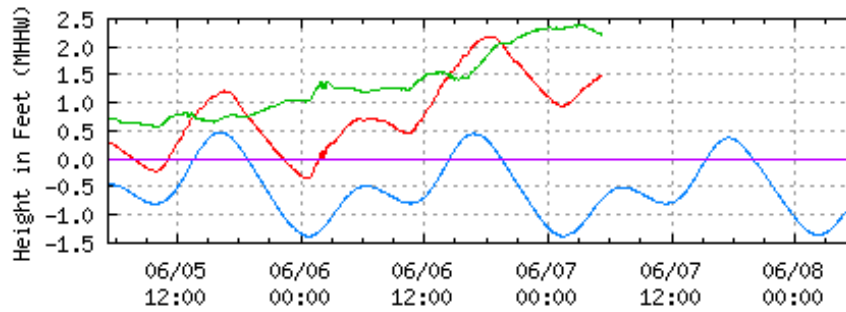


barometric pressure —

Last Observed Sample: 06/07/2016 05:12 (EDT)

Barometric Pressure: 1008.1 mb

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

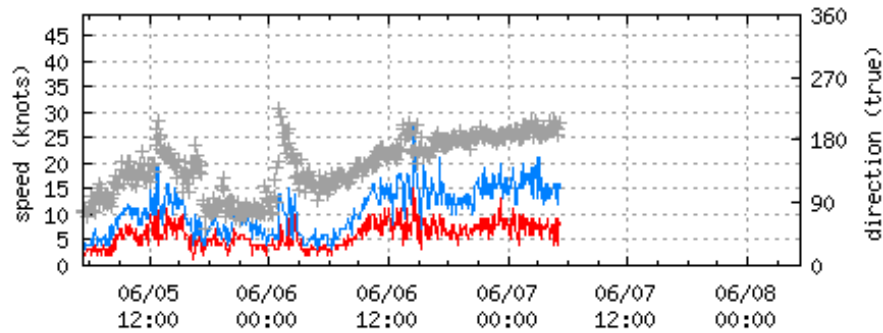
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: 1.49 ft. Predicted: -0.73 ft. Residual: 2.22 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 06/07/2016 07:17 (EDT), -0.51 ft.

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL
Wind Speed / Gusts / Direction

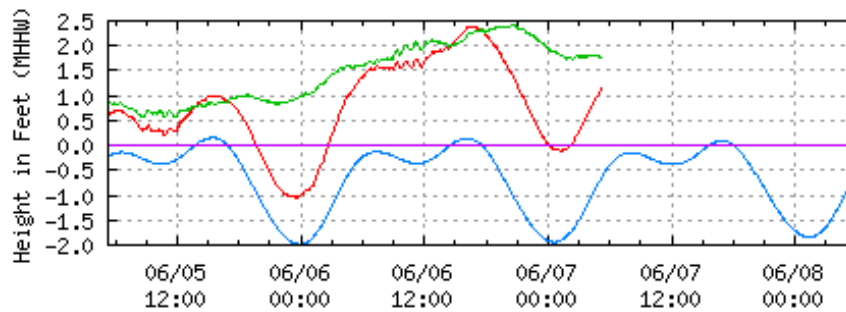


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

Wind Speed: 8 knots Gusts: 16 knots Direction: 206° T

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

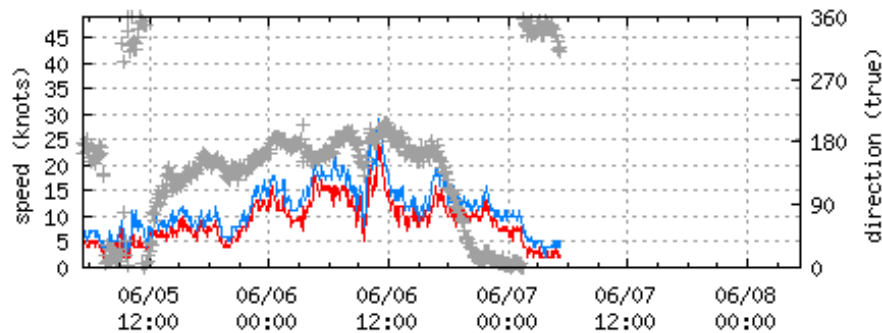
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: 1.14 ft. Predicted: -0.63 ft. Residual: 1.77 ft.

Historical Maximum Water Level: Jul 10 2005, 6.43 ft.

Next High Tide: 06/07/2016 08:04 (EDT), -0.15 ft.

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL
Wind Speed / Gusts / Direction

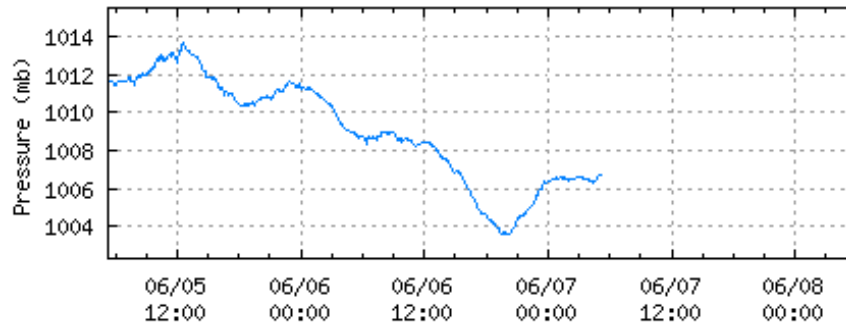


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

Wind Speed: 2 knots Gusts: 4 knots Direction: 315° T

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL
Barometric Pressure

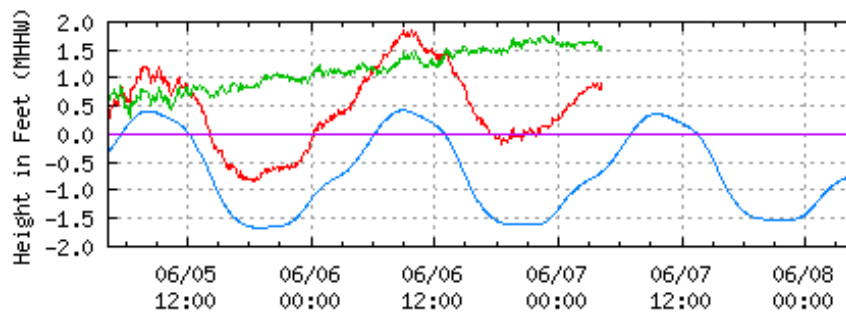


barometric pressure —

Last Observed Sample: 06/07/2016 05:12 (EDT)

Barometric Pressure: 1006.7 mb

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

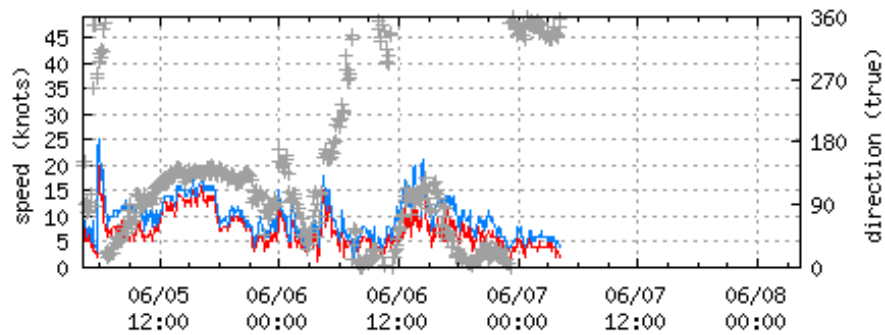
Last Observed Sample: 06/07/2016 04:12 (CDT). Data relative to MHHW

Observed: 0.90 ft. Predicted: -0.67 ft. Residual: 1.57 ft.

Historical Maximum Water Level: Oct 4 1995, 6.84 ft.

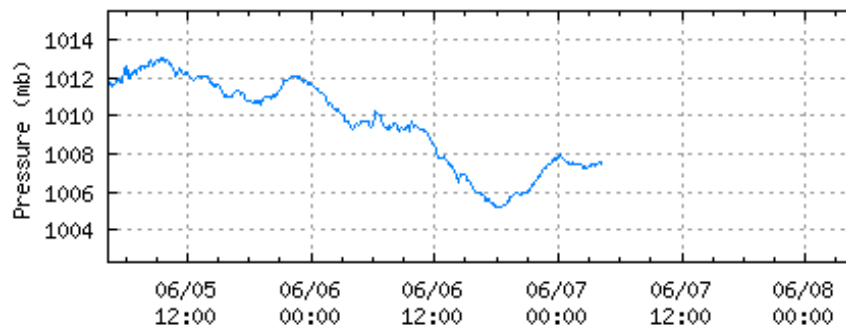
Next High Tide: 06/07/2016 09:33 (CDT), 0.36 ft.

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL
Wind Speed / Gusts / Direction



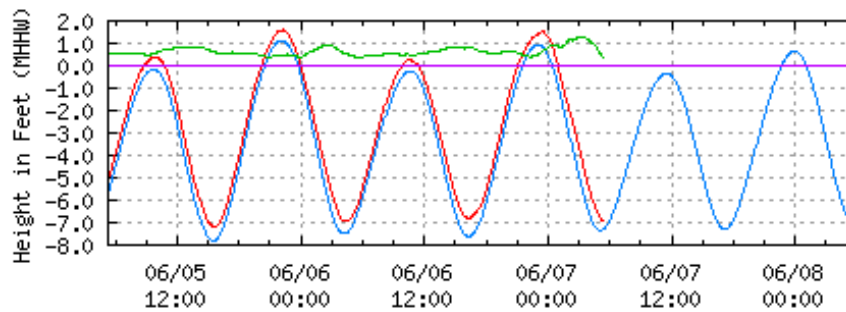
speed — gusts — direction +
Last Observed Sample: 06/07/2016 04:12 (CDT)
Wind Speed: 2 knots Gusts: 4 knots Direction: 345° T

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 06/07/2016 04:12 (CDT)
Barometric Pressure: 1007.5 mb

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

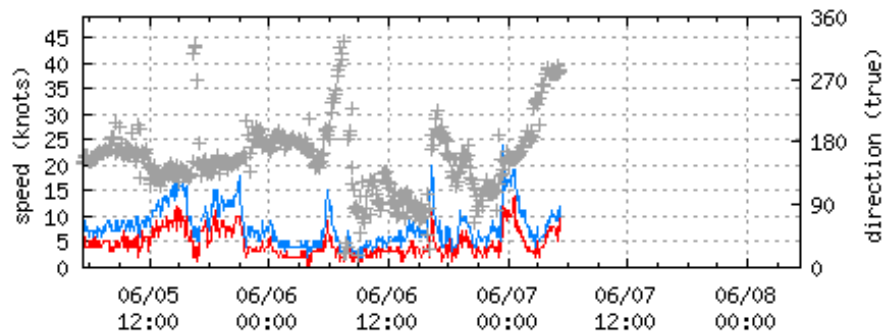
Last Observed Sample: 06/08/2016 02:12 (EDT). Data relative to MHHW

Observed: -6.94 ft. Predicted: -7.31 ft. Residual: 0.37 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 06/08/2016 12:22 (EDT), -0.53 ft.

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL
Wind Speed / Gusts / Direction

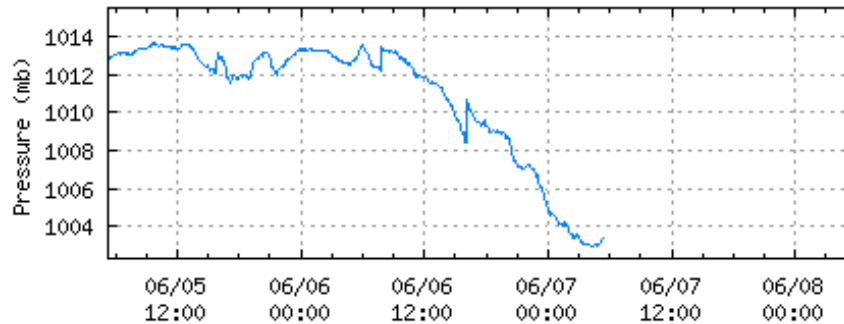


speed — gusts — direction +

Last Observed Sample: 06/08/2016 02:12 (EDT)

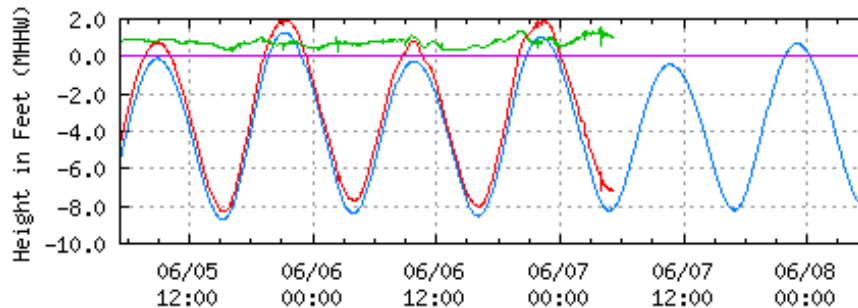
Wind Speed: 10 knots Gusts: 12 knots Direction: 282° T

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 06/08/2016 02:12 (EDT)
Barometric Pressure: 0.0 mb

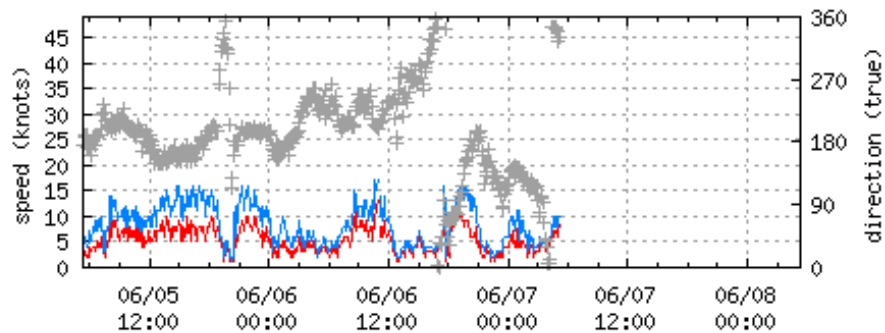
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW
Observed: -7.13 ft. Predicted: -8.10 ft. Residual: 0.97 ft.
Historical Maximum Water Level: Oct 15 1947, 3.40 ft.
Next High Tide: 06/07/2016 10:42 (EDT), -0.44 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Wind Speed / Gusts / Direction

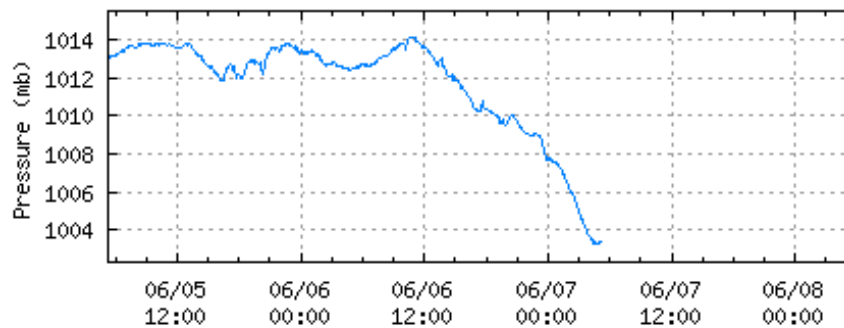


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

Wind Speed: 8 knots Gusts: 10 knots Direction: 332° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Barometric Pressure

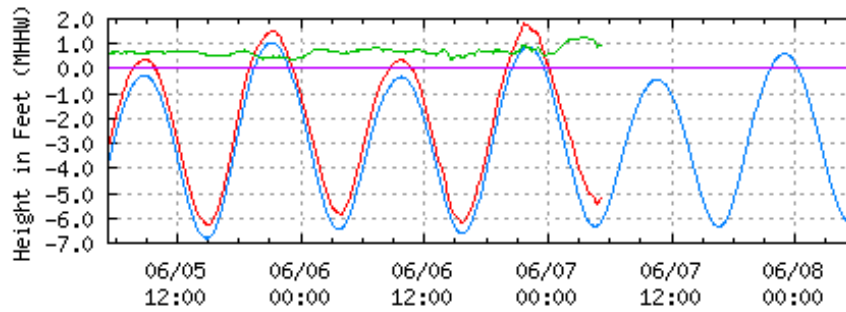


barometric pressure —

Last Observed Sample: 06/07/2016 05:12 (EDT)

Barometric Pressure: 1003.4 mb

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

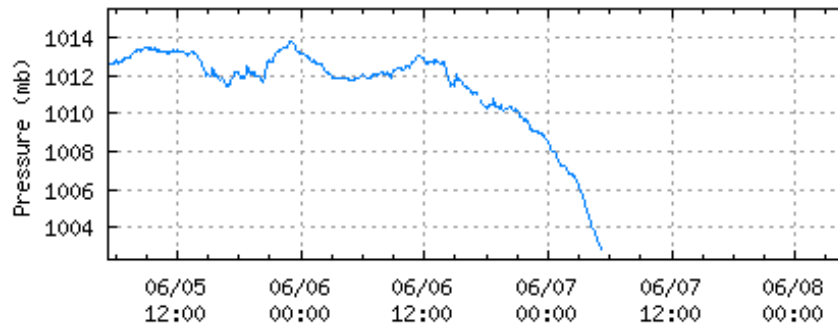
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: -5.19 ft. Predicted: -6.11 ft. Residual: 0.92 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 06/07/2016 10:37 (EDT), -0.45 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Barometric Pressure

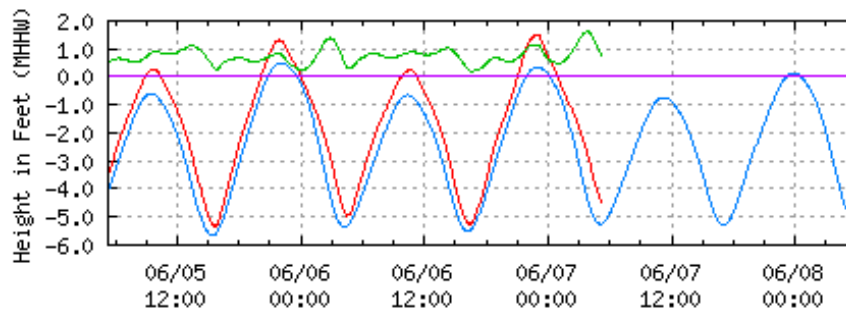


barometric pressure ———

Last Observed Sample: 06/07/2016 05:12 (EDT)

Barometric Pressure: 1002.8 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

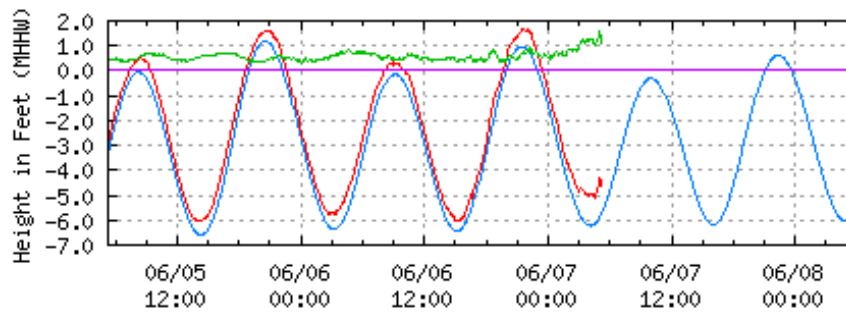
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: -4.49 ft. Predicted: -5.24 ft. Residual: 0.75 ft.

Historical Maximum Water Level: Aug 26 2011, 2.40 ft.

Next High Tide: 06/07/2016 11:13 (EDT), -0.73 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

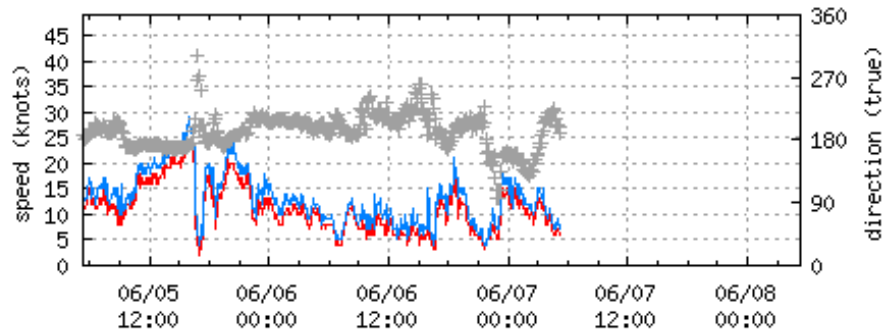
Observed: -4.59 ft. Predicted: -5.72 ft. Residual: 1.13 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 06/07/2016 10:02 (EDT), -0.32 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Wind Speed / Gusts / Direction



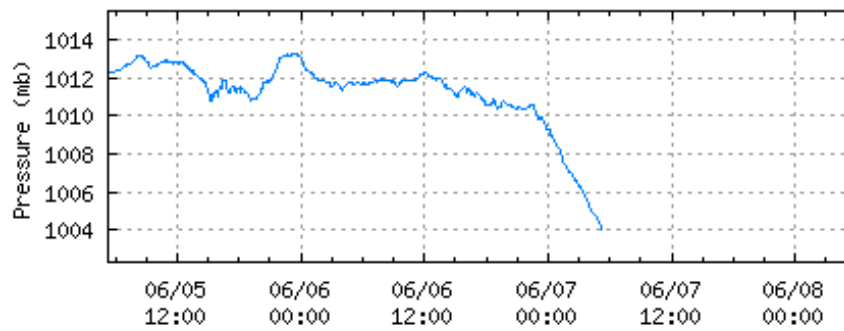
speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

Wind Speed: 6 knots Gusts: 7 knots Direction: 199° T

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Barometric Pressure

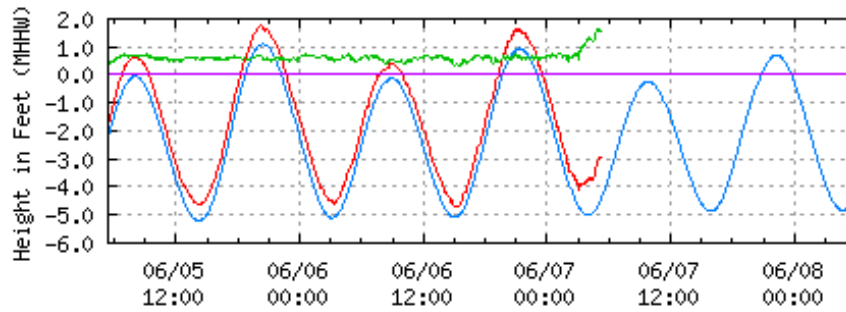


barometric pressure —

Last Observed Sample: 06/07/2016 05:12 (EDT)

Barometric Pressure: 1004.0 mb

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

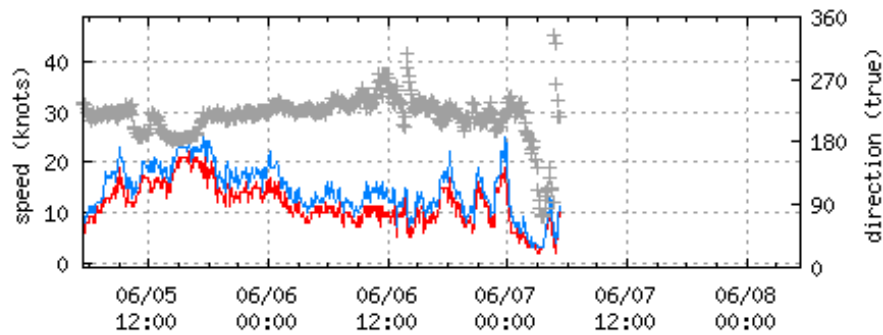
Last Observed Sample: 06/07/2016 05:12 (EDT). Data relative to MHHW

Observed: -2.92 ft. Predicted: -4.45 ft. Residual: 1.53 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 06/07/2016 09:51 (EDT), -0.22 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Wind Speed / Gusts / Direction

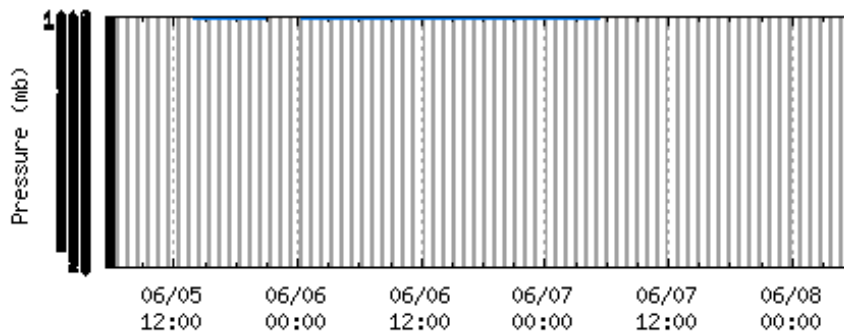


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:12 (EDT)

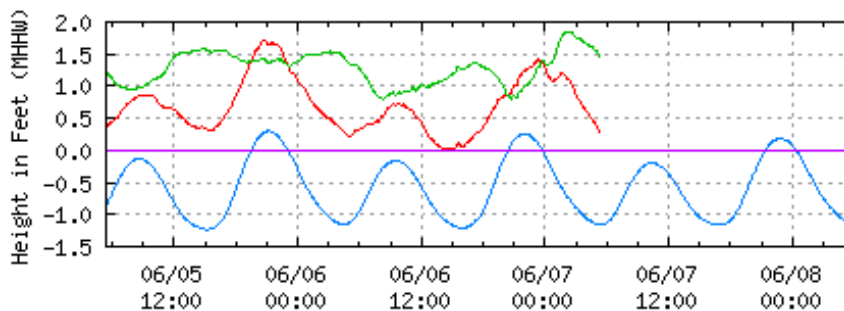
Wind Speed: 10 knots Gusts: 11 knots Direction: 218° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Barometric Pressure



barometric pressure —
Last Observed Sample: 06/07/2016 05:12 (EDT)
Barometric Pressure: 1004.1 mb

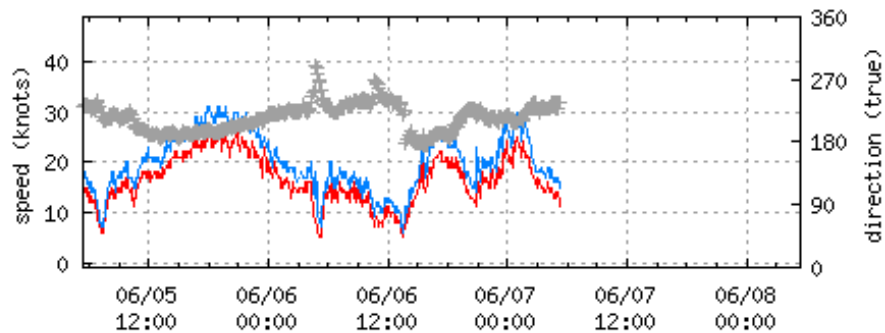
NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 06/07/2016 05:18 (EDT). Data relative to MHHW
Observed: 0.29 ft. Predicted: -1.16 ft. Residual: 1.45 ft.
Historical Maximum Water Level: Aug 28 2011, 6.32 ft.
Next High Tide: 06/07/2016 10:24 (EDT), -0.20 ft.

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC
Wind Speed / Gusts / Direction

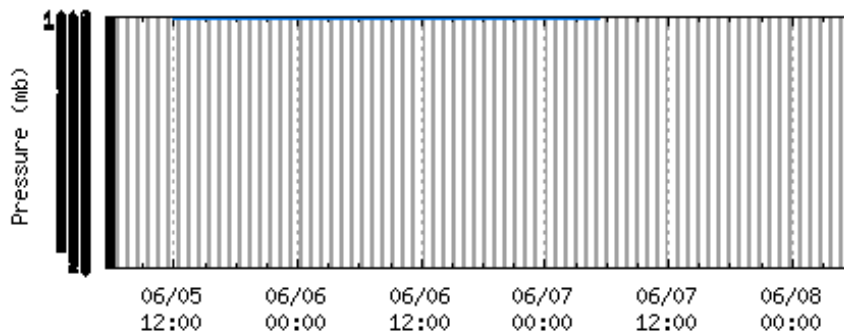


speed — gusts — direction +

Last Observed Sample: 06/07/2016 05:18 (EDT)

Wind Speed: 11 knots Gusts: 15 knots Direction: 236° T

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC
Barometric Pressure



barometric pressure —

Last Observed Sample: 06/07/2016 05:18 (EDT)

Barometric Pressure: 1006.2 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8727520	Cedar Key, FL	06/07/2016 05:12 (EDT)	1.11 ft	-0.41 ft	1.52 ft	3.63 ft
8726724	Clearwater Beach, FL	06/07/2016 05:12 (EDT)	0.11 ft	-1.14 ft	1.25 ft	2.81 ft
8726667	Mckay Bay Entrance, FL	06/07/2016 05:12 (EDT)	2.12 ft	-0.87 ft	2.99 ft	2.57 ft
8726607	Old Port Tampa, FL	06/07/2016 05:12 (EDT)	1.93 ft	-0.82 ft	2.75 ft	2.40 ft
8725520	Fort Myers, FL	06/07/2016 05:12 (EDT)	1.49 ft	-0.73 ft	2.22 ft	2.18 ft
8728690	Apalachicola, FL	06/07/2016 05:12 (EDT)	1.14 ft	-0.63 ft	1.77 ft	2.40 ft
8729210	Panama City Beach, FL	06/07/2016 04:12 (CDT)	0.90 ft	-0.67 ft	1.57 ft	1.87 ft
8720030	Fernandina Beach, FL	06/08/2016 02:12 (EDT)	-6.94 ft	-7.31 ft	0.37 ft	1.51 ft
8670870	Fort Pulaski, GA	06/07/2016 05:12 (EDT)	-7.13 ft	-8.10 ft	0.97 ft	1.90 ft
8665530	Charleston, SC	06/07/2016 05:12 (EDT)	-5.19 ft	-6.11 ft	0.92 ft	1.80 ft
8662245	Oyster Landing (N Inlet Estuary), SC	06/07/2016 05:12 (EDT)	-4.49 ft	-5.24 ft	0.75 ft	1.50 ft
8661070	Springmaid Pier, SC	06/07/2016 05:12 (EDT)	-4.59 ft	-5.72 ft	1.13 ft	1.70 ft
8658163	Wrightsville Beach, NC	06/07/2016 05:12 (EDT)	-2.92 ft	-4.45 ft	1.53 ft	1.61 ft
8652587	Oregon Inlet Marina, NC	06/07/2016 05:18 (EDT)	0.29 ft	-1.16 ft	1.45 ft	1.42 ft

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